



Iron removal for irrigation water

the Netherlands, 360 m³/d

Aim of the Project

Lenntech has engineered, manufactured and assembled an ultrafiltration (UF) plant capable of treating 360 m³/d of water with low levels of iron, bacteria and viruses. The treated water is used for agricultural purposes. The UF installation is equipped with top brand instrumentation and equipment.

The system is completely from European origin and is delivered with a certificate of origin.

Scope of Work

- ✓ Engineering, manufacturing and assembly
- ✓ Skidmounted UF plant
- ✓ Feed pump with variable frequency drive
- ✓ Bag filter
- ✓ UF modules
- ✓ Air blower
- ✓ Backwash pump
- ✓ Chemical dosing stations
- ✓ Cleaning In Place (CIP) station
- ✓ Site commissioning

Plant specs

☐ Feed water quality

TSS: 30 ppm

Iron: 5.6 ppm

☐ Product water quality

TSS < 0.5 mg/L

Iron < 0.02 mg/L

Bacteria > log 6 Pseudomonas diminuta removal

Viruses > log 4 MS2 colifages removal

Project duration

- ☐ December 2020 to April 2021